

AMENDMENTS TO THE SPECIFICATION:

Page 1, between the title and first paragraph, insert the following heading and subheading:

BACKGROUND OF THE INVENTION

1. Field of the Invention

Page 1, above the paragraph beginning at line 24, insert the following subheading:

2. Discussion of Prior Art

Page 3, above the paragraph beginning at line 7, insert the following heading:

SUMMARY OF THE INVENTION

Page 9, amend the paragraph beginning at line 23 as follows:

The invention also resides in a computer program comprising program code ~~means~~ for performing the method steps described herein above when the program is run on a computer and/or other processing ~~means~~ associated with the bridge circuit. Furthermore, the invention also resides in a computer program product comprising program code ~~means~~ stored on a computer readable medium for performing the method steps described herein above when the program is run on a computer and/or other processing ~~means~~ associated with the bridge circuit.

Page 9, amend the paragraph beginning at line 30 and continuing to page 10, line 10 as follows:

From another aspect, the invention also resides in a switching circuit operable to receive a DC signal of voltage $+V_S$ and that comprises first and second switches, an output and ~~processing means~~ processor programmed to perform the method steps described herein above.

Optionally, the switching circuit may further comprise a noise shaper operable to noise shape the first and second switching signals. The invention also resides in a bridge circuit comprising an input operable to receive a DC signal of voltage $+V_s$, an output and first and second arms having first and second switches respectively, the first and second arms being connected to opposed ends of the output and ~~processing means~~processor programmed to perform the method steps described herein above. The bridge circuit may optionally include any of a voltage signal sensor, a filter (including a finite impulse response filter), a diode and/or transistor or a current signal sensor.

Page 10, above the paragraph beginning at line 11, insert the following heading:

BRIEF DESCRIPTION OF THE DRAWINGS

Page 10, above the paragraph beginning at line 28, insert the following heading:

DETAILED DISCUSSION OF EMBODIMENTS

Page 22, amend the paragraph beginning at line 20 and continuing to page 23, line 3 as follows:

The switching signal pulse widths 52 are then calculated for the appropriate switching modes as follows. In the equations below, W_A and W_B are the widths of the pulses of switching signals 24a and 24b respectively. W_{EA} and W_{EB} are the net effective errors in the actual width of the pulses generated in response to the switching signals 24a and 24b respectively (the values are determined through calibration). W_{min} is a fixed offset to be added or subtracted when in class AB mode.